

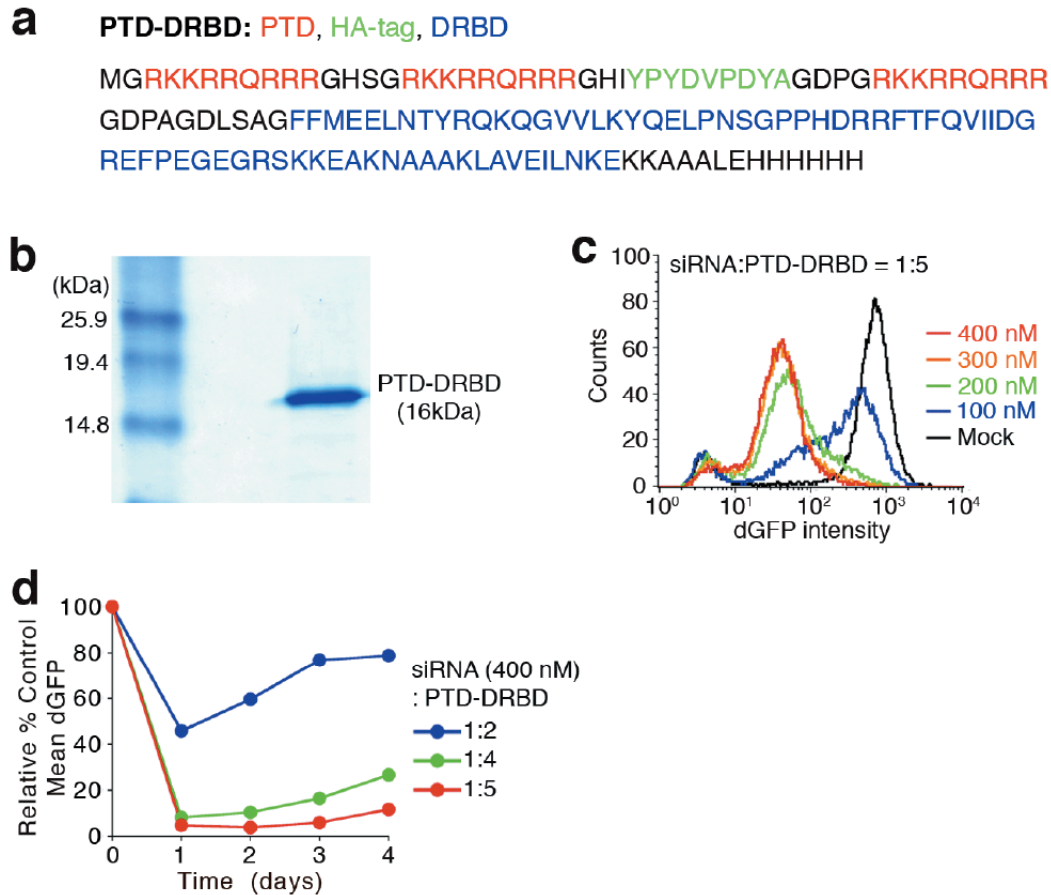
SUPPLEMENTARY MATERIALS

Efficient siRNA Delivery into Primary Cells by Peptide Transduction- dsRNA Binding Domain Fusion Protein

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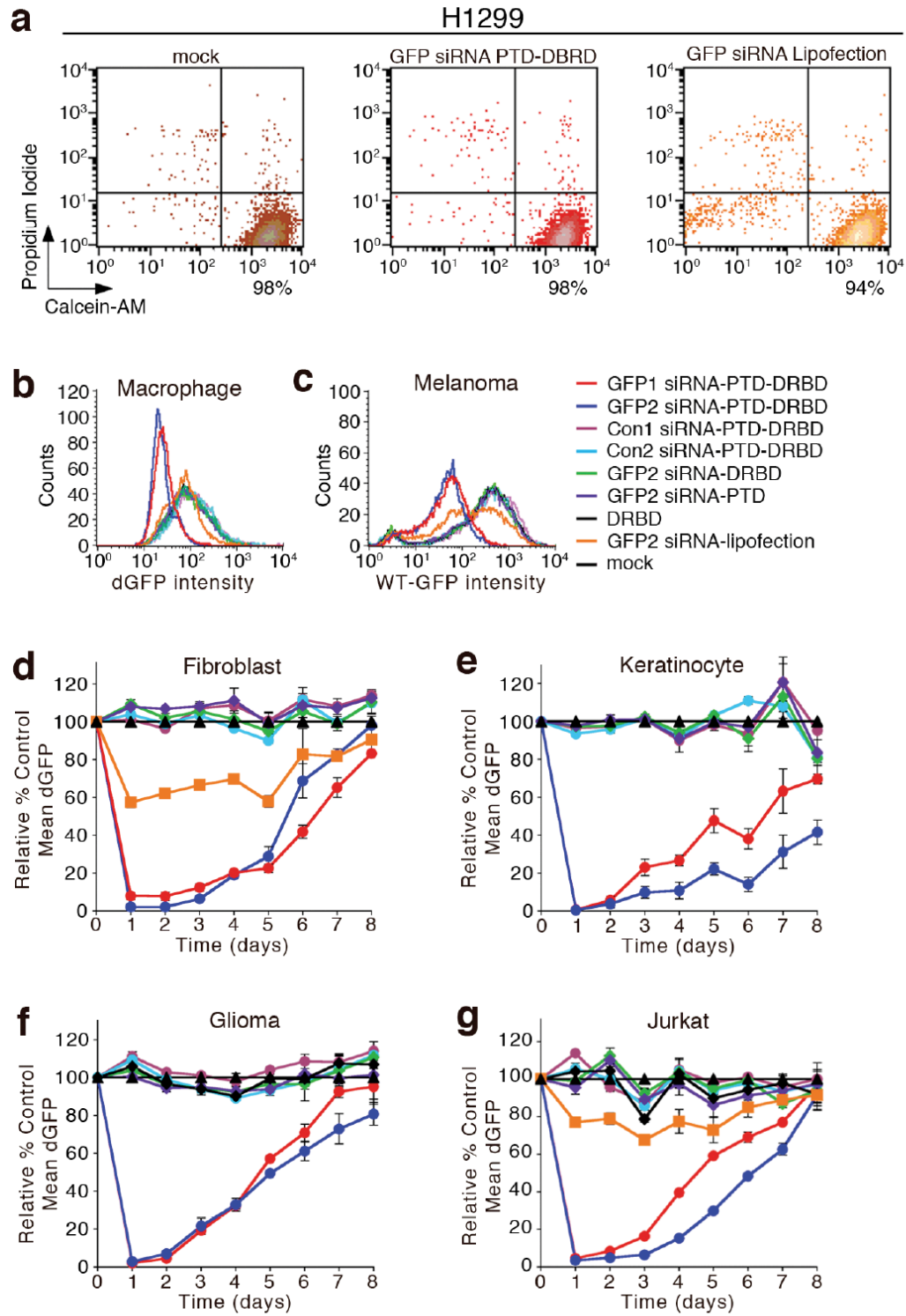
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Supplementary Figure S1. PTD-DRBD characterization. (a) Single letter amino acid sequence and domain demarcation of PTD-DRBD. (b) Coomassie Blue staining of purified PTD-DRBD protein (16.7 kDa). (c) Dose response curve of PTD-DRBD: GFP RNAi response in H1299 dGFP expressing cells at 24 h post-addition, as indicated. (d) Molar ratio analysis of siRNA:PTD-DRBD at 24 h post-addition to H1299 dGFP expressing cells, as indicated.

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Supplementary Figure S2. PTD-DRBD siRNA Delivery. (a) Cytotoxicity FACS analysis of cells treated with mock (PBS), GFP siRNA plus PTD-DRBD or lipofection with two independent means, propidium iodide and Calcein-AM. Percentage indicates percent of viable (live) cells in bottom right quadrant. (b, c) Single cell flow cytometry histogram analysis of GFP RNAi response at 1 days post-treatment of THP-1 or B16F10 cells constitutively expressing GFP, as indicated. (d-g) Flow cytometry analysis of GFP RNAi knockdown decay kinetics following single siRNA treatment of dividing HFF, HaCAT, T98G and Jurkat T cells constitutively expressing GFP, as indicated using the legend in (b) above.